

## MEETING NOTES

Portland Harbor Superfund Site Government to Government Consultation  
The Confederated Tribes of the Umatilla Indian Reservation and  
United States Environmental Protection Agency

Thursday July 21, 2016, 8:30 am  
805 Nixyaawii Governance Center, 46411 Timíne Way, Pendleton, OR 97801

Notes taken by Cami Grandinetti:

Attendees from Umatilla:

- Woodrow Star
- Jeremy Red Star Wolf
- David Close
- Justin Quaempts
- Rosenda Shippentower
- Alan Crawford

Attendees from EPA:

- Dennis McLerran
- Jim Woolford
- Jim Woods
- Sean Sheldrake
- Cami Grandinetti

Dennis: Background and walkthrough of powerpoint. Desire to get a decision within this administration.

Umatilla:

- How are contaminants moving in river
- Variation of concentrations over time
- Fish consumption rates are different for Tribes
- Question about what happens after cleanup – monitoring up and downstream. Questions about level of monitoring.
- Can't go away from fish consumption rate. EPA clarified consumption assumptions, goals for cleanup, watershed impacts (background) from contaminants
- Good discussion about risk numbers
- Umatilla not in agreement with preferred alternative. It is not protective enough. Would think EPA should be more protective. Lean toward G.
- Concerned that Tribes will suffer. This doesn't look like it will protect Tribes. Concerned that monitoring won't be done well.
- Concerns about whether we are fulfilling agreements made with Tribes on protecting their resources.
- Concerns about uncertainties.

- Salmon are important – used.
- Would EPA be here just based on your own authorities or did Tribes make this happen?
- Look at this as starting point.
- Want to be part of the team moving forward
- Cannot probably support G – want to find starting point. Phase
- Avoid saying we cannot get to pristine – continue to work on this.

Notes taken by Jim Woolford:

- Level of monitoring
- Intensity of remedy in relation to Tribal fish consumption – G vs. I
- Are you containing by capping vs. dredging
- What is going on with the hyporheic flows
- \*\*\* Look at this as a starting point rather than a final solution.
- Cancer deaths in the Tribe
- Salmon eating the resident fish – he would argue that salmon should be treated as resident fish
- More detail on monitoring?
- Write more in to the plan that this is a starting point

## DRAFT AGENDA and ATTENDEES

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- Welcome and Introductions
- Chronology and background of the Portland Harbor Superfund Site
- Overview of collaboration between EPA and the Tribe to date
- Description and rationale for the proposed alternative
- Tribal input and open dialogue
- Next Steps

### EPA ATTENDEES:

Dennis McLerran, Regional Administrator

Jim Woolford, Director, EPA Office of Superfund Remediation and Technology Innovation

Jim Woods, Senior Tribal Policy Advisor

Cami Grandinetti, Manager, Remedial Cleanup Program

Sean Sheldrake, Remedial Project Manager

### BOARD OF TRUSTEES ATTENDEES:

Gary Burke, Chairman

Jeremy Wolf, Vice-Chairman

Rosenda Shippentower, Treasurer

David Close, Secretary

Armand Minthorn, Member

Aaron Ashley, Member

Justin Quaempts, Member

Woodrow Star, Member

Alan Crawford, General Council Chairman

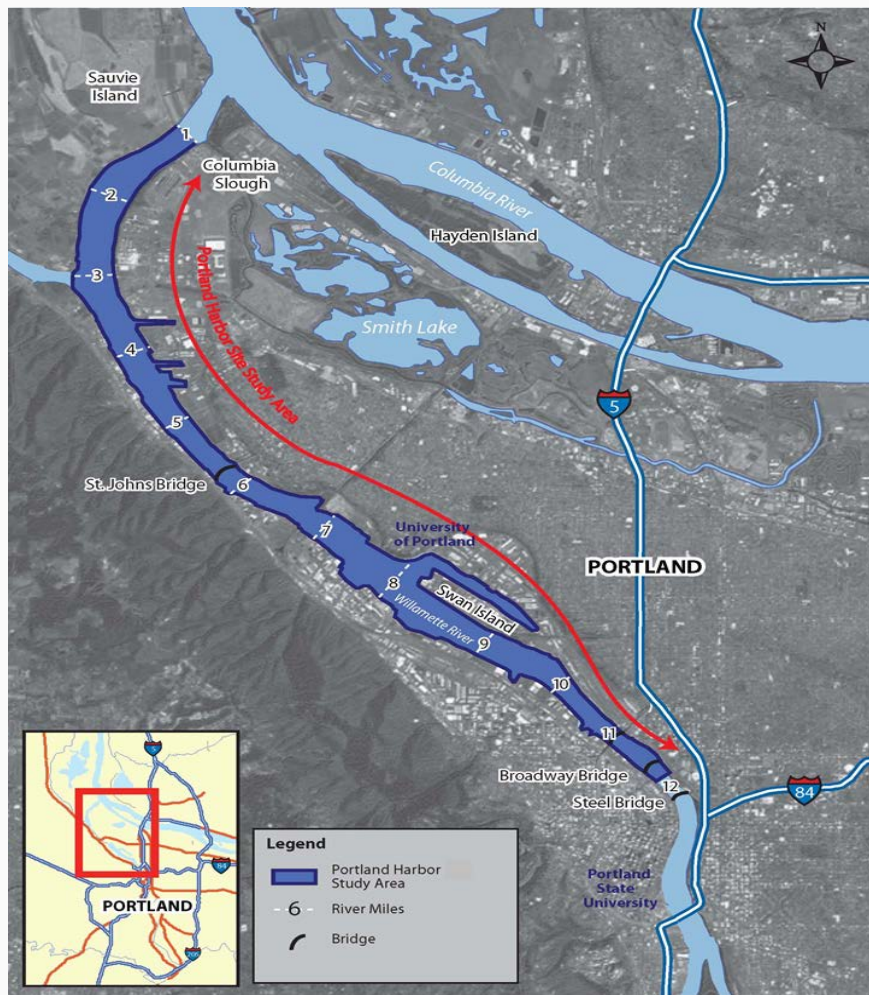
# **Tribal Consultation**

## Portland Harbor Superfund Site



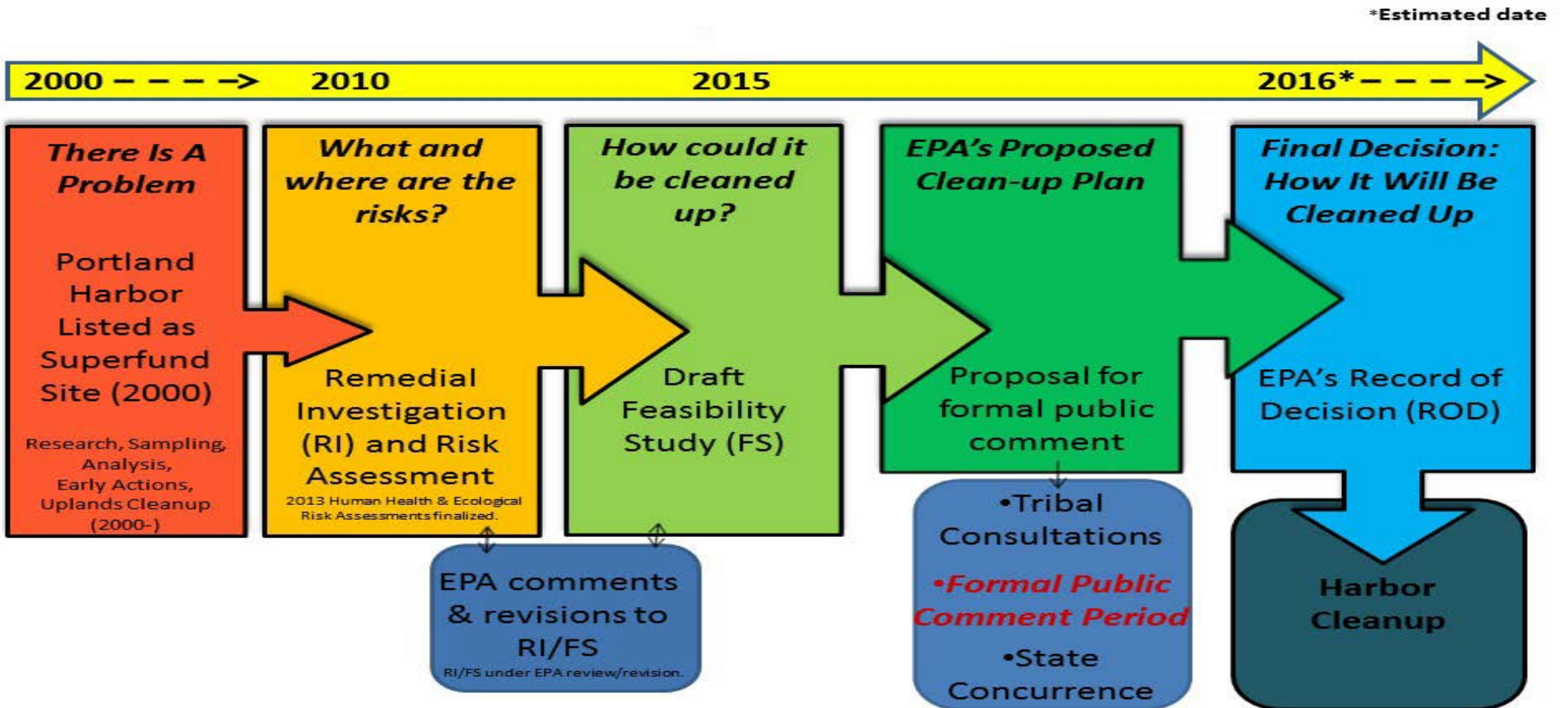
Photo by Elizabeth Allen

# Lower Willamette River



- Treaty resources
- Tribal fishing and historical ceremonial practices
- Aquatic habitat (salmon and lamprey)
- Industry
- Recreational uses
- Fishing for sustenance
- Shipping and navigation

# Key Milestones



**Tribal involvement at each of these steps**





## **Tribes working with EPA**

- **Tribes formally petitioned EPA to list the site.**
- **Tribes have been funded to provide technical oversight and input to the process**
- **EPA has been coordinating with 6 Tribes at technical levels and at these more formal Tribal consultations**



## Basis for Action

- Unacceptable risk to human health
  - Most exposure/risk – fish consumption
- Unacceptable risk to ecological receptors
  - Focus on Ecological Significance
  - Most risk to birds, fish, and mammals – fish consumption
  - Benthic risk – primarily groundwater, pesticides and metals

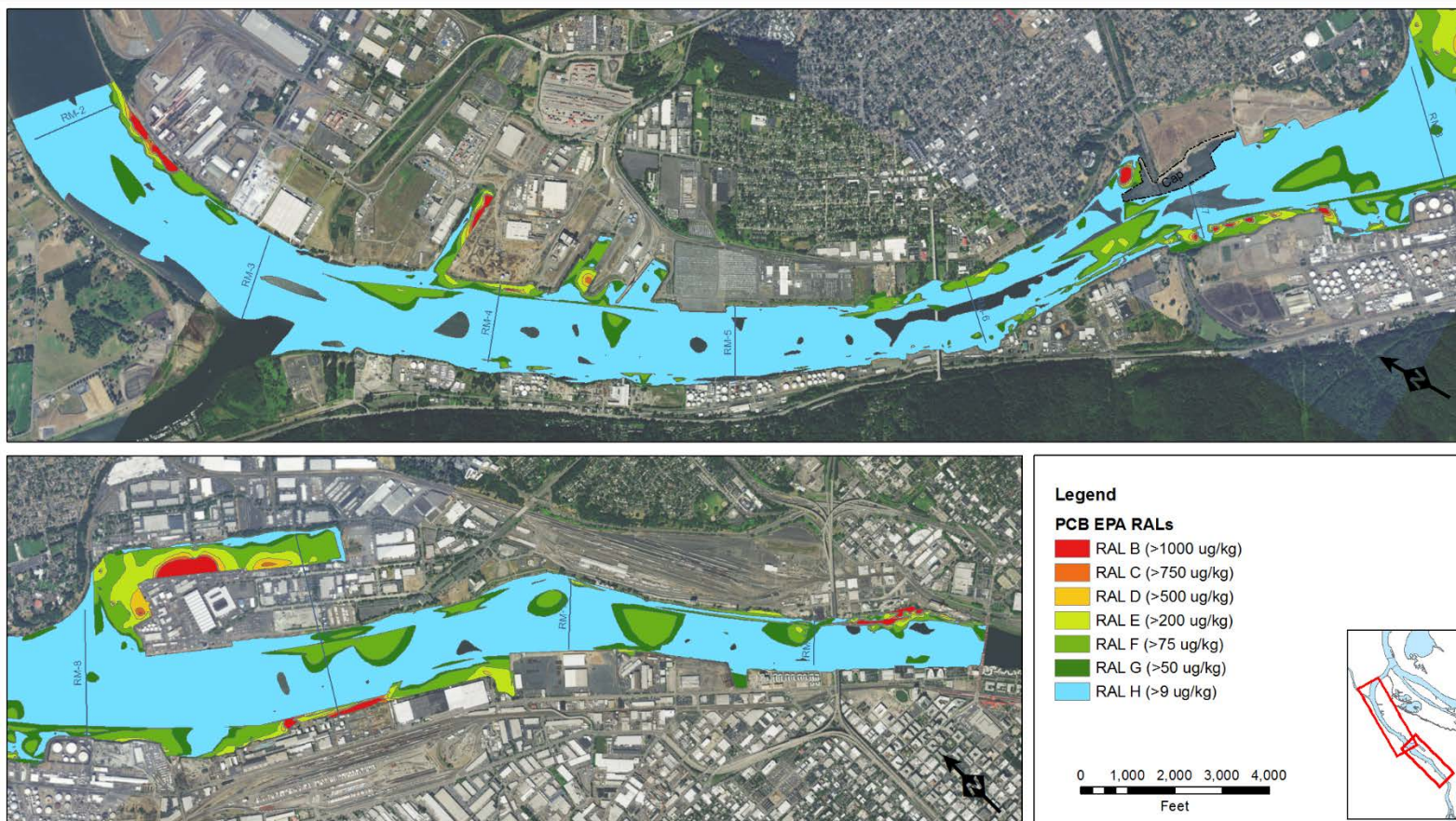




# Focused Contaminants of Concern

- Chemical Contaminants
  - PCBs
  - Polyaromatic Hydrocarbons
  - The pesticide DDT, its by-products
  - Dioxins/Furans
- Most widespread
- Most associated risk
- Addresses other contaminants

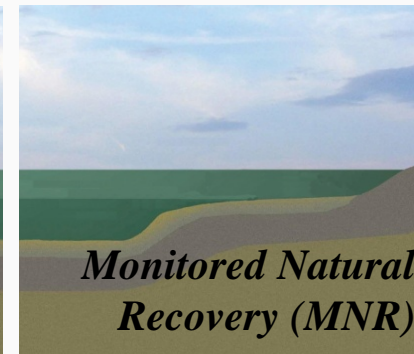
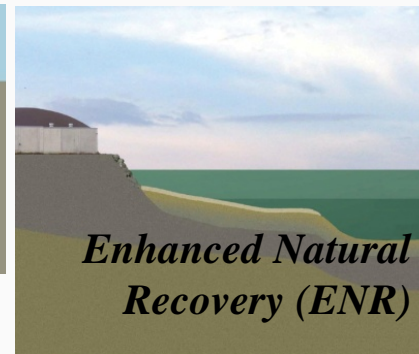
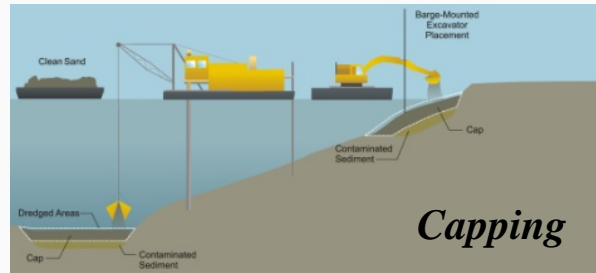
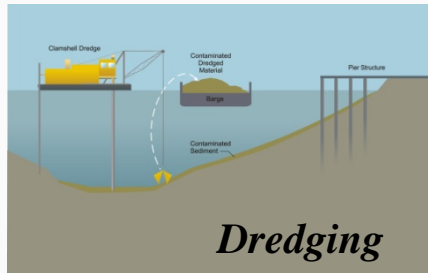
# Example of Contaminant Distribution



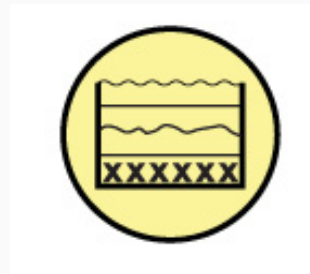


# ALL CLEANUP ALTERNATIVES

Are Different Combinations of:



Removal      Containment      Natural Recovery



# Summary of Cleanup Alternatives



Alt	Dredge Volume	Dredge Areas	Dredge/Cap Areas	Cap Areas	In-Situ Areas	ENR	MNR	Construction Timeframe	Cost
	(Cu Yd)	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)	(Years)	(\$M)
B	659,000	72	6	23	7	100	1,966	4	451
C	790,000	87	6	30	5	97	1,948	5	497
D	1,226,000	132	11	45	3	87	1,900	6	654
E	2,204,000	204	15	66	0	60	1,838	7	804
									870
F	5,100,000	387	32	118	0	28	1,634	13	1,317
									1,371
G	8,294,000	572	47	185	0	20	1,391	19	1,731
									1,777
H	33,487,000	1632	106	535	0	0	0	62	9,446
									9,525

## Preferred Alternative

I	1,855,000	167	17	64	0	60	1,876	7	746
									811

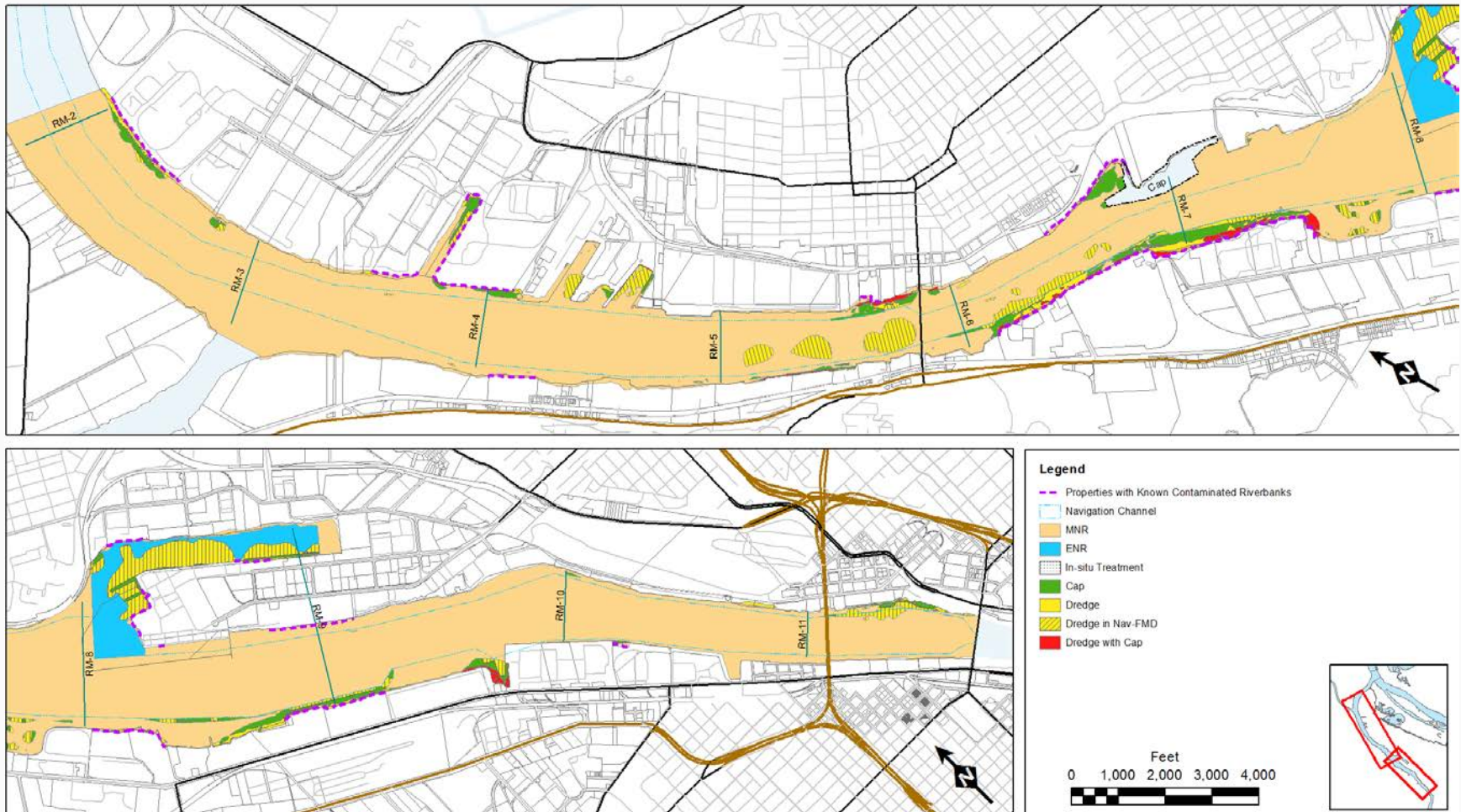




## Proposed Cleanup by the Numbers

Dredge or cap	Approx. 250 acres of river sediment 19472 lineal feet of river bank
Enhanced Natural Recovery	60 acres
Monitored Natural Recovery	1876 acres
Years of Construction Activities	7
Years of Monitored Natural Recovery	23
Cost	\$746 million \$811 million

# Preferred Alternative





# Some Outcomes of Proposed Cleanup

- Active remediation for the most mobile, toxic waste
- Wildlife protected at end of construction
- Control contamination from riverbanks
- Allow most people to eat more fish
- Minimize river use restrictions (caps)
- Repair impacted habitat





## Projected Timeline

End public comment period	September 6, 2016
Respond to comments and deliberate	September – December, 2016
Record of Decision	December 31, 2016
Begin negotiations with Potentially Responsible Parties	January 2017
Begin active sampling, design and cleanup	2017 and beyond